

**CARL MOYER AIR STANDARDS ATTAINMENT PROGRAM**

**LOCOMOTIVE**

**PROJECT APPLICATION**

## LOCOMOTIVE APPLICATION

Please print clearly or type all information on this application and on all attachments. Fill out one application for each engine or piece of equipment. All information necessary for completing this application is available in 2008 Carl Moyer Program Guidelines. This document can be viewed at: <http://www.arb.ca.gov/msprog/moyer/guidelines/current.htm>. Please note that additional information may be requested from the applicant in order to process this application.

### Eligibility Criteria

To be eligible for funding, projects must meet the criteria described in the 2008 Carl Moyer Program Guidelines and all current Carl Moyer Program Advisories. These criteria include, but are not limited to, the following:

- Emission reductions obtained through Carl Moyer Program projects must not be required by any federal, state or local regulation, memorandum of agreement/understanding with a regulatory agency, settlement agreement, mitigation requirement, or other legal mandate.
- Projects must meet a cost-effectiveness of \$16,000 per weighed ton of NOx, ROG, and PM10 reduced calculated in accordance with the cost-effectiveness methodology in Appendix C of the 2008 Guidelines. All state funds plus any other funds under a district's budget authority or fiduciary control contributed toward a project must be included in the cost-effectiveness calculation.
- Projects must have a minimum project life of three years, except for engines subject to the Stationary Diesel In-Use Agricultural Engine Airborne Toxic Control Measure, which must have a minimum project life of one year.
- The maximum project life for locomotive projects are as follows:
  - New Purchase 20 years
  - Locomotive Idle-Limiting Device 10 years
  - Remanufacture Kit 6 years
  - Locomotive Repower 10-20 years
- No emission reductions generated by the Carl Moyer Program shall be used as marketable emission reduction credits, or to offset any emission reduction obligation of any person or entity.
- No project funded by the Carl Moyer Program shall be used for credit under any federal or state emission averaging banking and trading program.
- Funded projects must have at least 75 percent of their operation take place in California.
- Emission reduction technologies must be certified/verified by the ARB for sale in California and must comply with durability and warranty requirements. For

the purposes of the Carl Moyer Program, a technology granted a conditional certification/verification by ARB is considered certified/verified.

**Additional criteria may be found in the 2008 Carl Moyer Program Guidelines, Chapter 2 and Chapter 8, Section IV.**

## LOCOMOTIVE APPLICATION

### A. APPLICANT INFORMATION

1. Company name/ Organization name/ Individual name:	
2. Business type:	
3. Contact name and title:	
4. Person with contract signing authority (if different from above):	
5. Business mailing address and contact information:	
a. Street:	b. City/State/Zip:
c. Phone: (     )                      Ext:	d. Fax: (     )
e. E-mail:	
6. How many locomotives/ILDs/remanufacture kits are included in this application?	
7. Total funding amount requested in this application:	

### B. FUNDING DISCLOSURE

1. Have any pieces of equipment or locomotives listed in this application applied for or been awarded Carl Moyer Program funding or other grants?  <input type="checkbox"/> Yes <input type="checkbox"/> No
2. If "yes", complete the following for each engine or vehicle:
Agency applied to:
Date/Number of Agency Solicitation:
Funding Amount Requested:
Old Engine Serial Number:
Status:

**I hereby certify that all information provided in this application and any attachments are true and correct.**

Printed Name of Responsible Party:	Title:
Signature of Responsible Party:	Date:

**Third Party Certification**

**I have completed the application, in whole or in part, on behalf of the applicant.**

Printed Name of Third Party:	Title:
Signature of Third Party:	Date:
Amount Being Paid for Application Completion in Whole or Part:	Source of funding to 3 <sup>rd</sup> party:

**For each engine or vehicle, please complete sections C, D, E, F, G, H or I (as appropriate). Please include project cost documentation including vendor quotes and other substantiating data to support cost estimates provided in this application.**

### C. BASELINE LOCOMOTIVE INFORMATION *(for ILD or remanufacture/repower project only)*

1. Railroad Class: <input type="checkbox"/> Class 1 <input type="checkbox"/> Class 3 <input type="checkbox"/> Passenger	
2. Locomotive Type (circle one):	
a. Line Haul	b. Traditional Switcher
c. Alternative Technology Switcher	d. Passenger
3a. Locomotive Make:	b. Locomotive Model:
c. Locomotive Horsepower:	d. Locomotive Model Year:
e. Locomotive Serial Number:	4. Fuel Type:
5a. Engine Make:	b. Engine Model:
c. Engine Year:	d. Engine Serial Number:

## D. ACTIVITY INFORMATION

1. Does the project locomotive already have a functioning automatic engine start-stop (AESS)/ ILD installed?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
2. Total Annual Gallons of Fuel Consumed:		
3. Will a functioning hour meter be installed as part of this project?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
4. Project address (if different from business address):		
5. Percent Operation in California:		
6. List the counties in California in which the locomotive operates and the percent of operation in each county:		
7. Project Life:		
<input type="checkbox"/> Maximum allowable	<input type="checkbox"/> Other: ____ years	

**E. ELECTRONIC MONITORING UNIT (EMU)**

1. Will a new EMU be installed as part of this project? <div style="display: flex; justify-content: space-around;"> <input type="checkbox"/> YES         <input type="checkbox"/> NO       </div>		
2a. EMU Make:	b. EMU Model:	c. EMU Model Year:
d. EMU ID Number (if available):		e. EMU Cost:

**F. ALTERNATIVE TECHNOLOGY SWITCHER NEW PURCHASE PROJECT ONLY**

1a. New Locomotive Make:	b. New Locomotive Model:
c. Total Horsepower:	d. New Locomotive Model Year:
2. New Locomotive Engine Family: <i>(Notes: New locomotive must achieve 3.0 g/bhp-hr NO<sub>x</sub> and 0.1 g/bhp-hr PM. Please include U. S. EPA Certificate of Conformity for New Locomotive)</i>	
3. New Locomotive Cost:	
4. New Locomotive Fuel Consumption (if different from baseline):	

**G. REPOWER PROJECTS ONLY**

1a. Reduced Emission Engine Make:	b. Reduced Emission Engine Model:
c. Reduced Emission Engine Serial Number (if available):	
d. Reduced Emission Engine Horsepower:	
2. Reduced Engine Family (for U. S. EPA certified engine):	
3. Baseline Engine Rebuild Cost:	
4a. Reduced Emission Engine Cost:	
b. Reduced Emission Engine Installation Cost:	
c. Reduced Emission Engine Vendor (optional):	
d. Reduced Emission Engine Installer (optional):	

**H. LOCOMOTIVE IDLING LIMITING DEVICE OR ENGINE REMANUFACTURE KIT**

1. For AESS/ ILD Projects:	
a. AESS Make:	b. AESS Model:
c. AESS Year:	d. AESS ID Number:
e. AESS Capital Cost:	f. AESS Installation Cost:
2. For Engine Remanufacture Kits <i>(please include U. S. EPA Certificate of Conformity for Remanufacture Kit)</i>	
a. Remanufacture Kit Make:	
b. Remanufacture Kit Model:	
c. Engine Family:	
d. U.S. EPA Certified Locomotive Emission Level: <input type="checkbox"/> Tier 0 <input type="checkbox"/> Tier 1 <input type="checkbox"/> Tier 2	
e. Remanufacture Kit Cost:	

**I. FUNDING AMOUNT REQUEST**

1. Total Amount Requested for this Piece of Equipment: <input type="checkbox"/> Maximum allowable <input type="checkbox"/> Other: \$_____
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